

519,173

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



20 DEC 2004



(43) International Publication Date  
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number  
**WO 2004/037164 A2**

(51) International Patent Classification<sup>7</sup>:

A61K

(74) Agents: VILLANUEVA, Lawrence, A. et al.; Needle & Rosenberg, P.C., The Candler Building, 127 Peachtree Street, Atlanta, GA 30303-1811 (US).

(21) International Application Number:

PCT/US2003/015519

(22) International Filing Date: 15 May 2003 (15.05.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/390,504

21 June 2002 (21.06.2002) US

(71) Applicant (for all designated States except US): UNIVERSITY OF UTAH RESEARCH FOUNDATION [US/US]; 615 Arapahoe Drive, Suite 110, Salt Lake City, UT 84108 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PRESTWICH, Glenn, D. [US/US]; 1500 Sunnyside Lane, Salt Lake City, UT 84108 (US). SHU, Xiao, Zheng [CN/US]; 25 South 1100 East, No. 15, Salt Lake City, UT 84102 (US). LUO, Yi [CN/US]; 130 Waverly Street, Cambridge, MA 02139 (US). KIRKER, Kelly, R. [US/US]; 331 South 1100 East No. 4, Salt Lake City, UT 84102 (US). LIU, Yanchun [CN/US]; 230 North F. Street, Apt. 19, Salt Lake City, UT 84103 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **CROSSLINKED COMPOUNDS AND METHODS OF MAKING AND USING THEREOF**

(57) Abstract: Described herein are crosslinked compounds useful in numerous treatments. Described herein are methods of making crosslinked compounds via (1) the oxidative coupling of two or more thiol compounds or (2) by the reaction between at least one thiol compound with at least one thiol-reactive compound.



WO 2004/037164 A2